Notice of Allowability	Application No.	Applicant(s)
	09/938,119	ATLAS ET AL.
	Examiner	Art Unit
	Cicely Ware	2611
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not included will be mailed in due course. THIS
1. A This communication is responsive to <u>amendment filed on 6</u>	<u>5/23/2006</u> .	
2. The allowed claim(s) is/are <u>1-36</u> .		
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" 	been received. been received in Application No cuments have been received in this r	national stage application from the
noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER'	
 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amendn 8. ☒ Examiner's Stateme 9. ☐ Other	(PTO-413), e

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The following is a statement of reasons for the indication of allowable subject matter: The instant application discloses a method for encoding a signal for storage or transmission. Prior art references show similar methods but fail to teach: "a method for encoding a signal for storage or transmission, comprising the steps of: (a) implementing a twodimensional transform of the signal, producing a transform matrix having modulation frequency as one dimension, wherein said one dimension is a spectral representation of a time variability of a spectra of the signal; (b) reducing a dynamic range of the signal; (c) quantizing and selecting coefficients included in the transform matrix", as in claim 1; "determining an inverse quantized mean spectral density using the quantized mean spectral density; deriving bit allocations form the inverse quantized mean spectral density using a perceptual model", as in claims 16, 22; "a method for perceptually ordering data within data packets that are sized as a function of either an available storage or an available data transmission bandwidth, comprising the steps of: (a) determining a mean spectral density function of the data for inclusion in the data packets, wherein the data packets are sized as a function of one of an available storage, and an 16 available data transmission bandwidth; (b) determining a magnitude matrix and a phase matrix for the data; (c) modeling the magnitude matrix; (d) quantizing the magnitude matrix and the phase matrix for use in the data packets", as in claim 29.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cicely Ware whose telephone number is 571-272-3047.

The examiner can normally be reached on Monday - Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone numbers for the

organization where this application or proceeding is assigned are 703-872-9314 for

regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703-305-

3900.

Cicely Ware

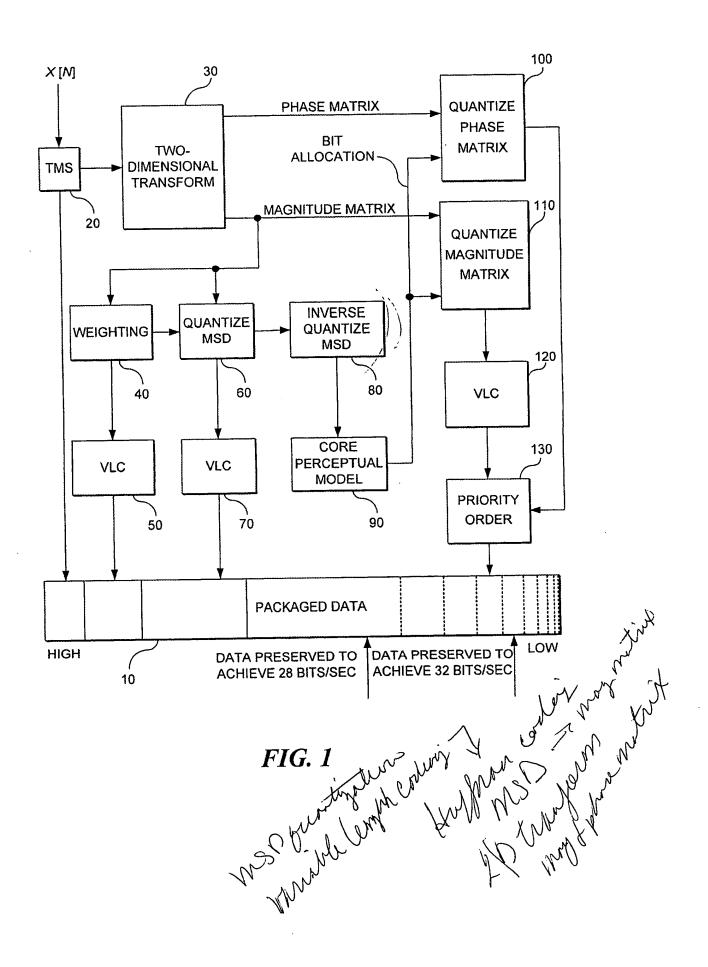
cqw

August 31, 2006

PRIMA AMARIA

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KHAITRAN
PRIMARY EXAMMER



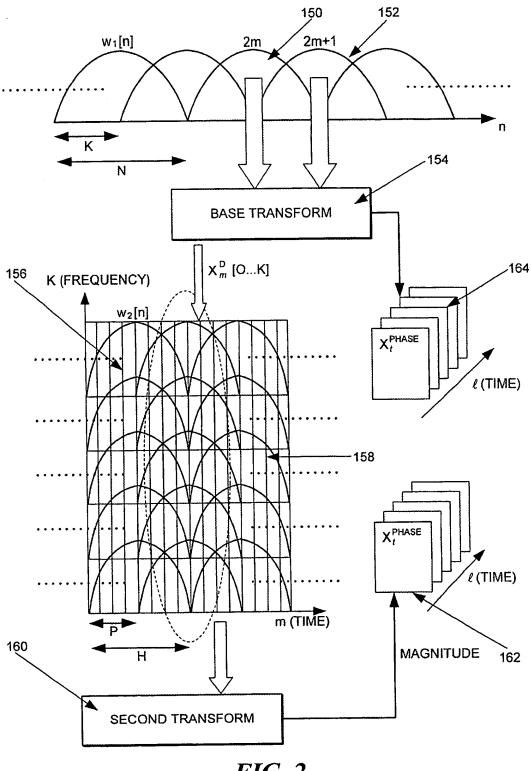


FIG. 2

FREQUENCY (kHz)

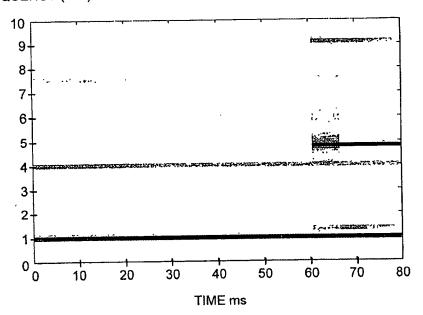


FIG. 3A

FREQUENCY (kHz)

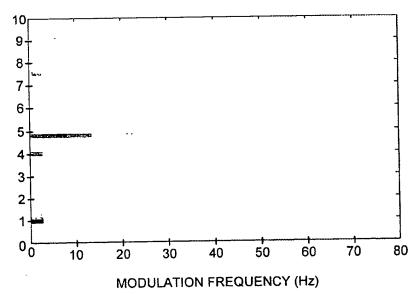
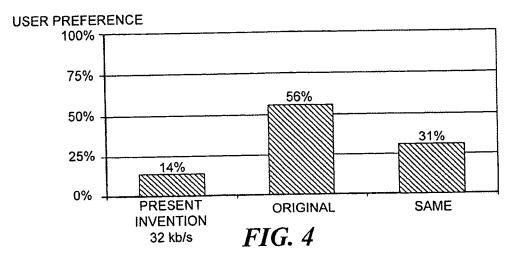
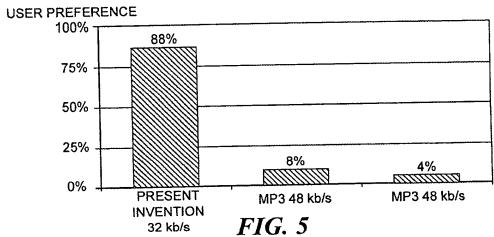
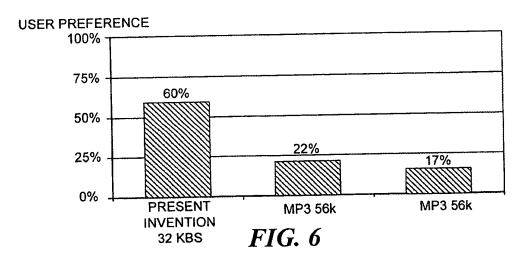
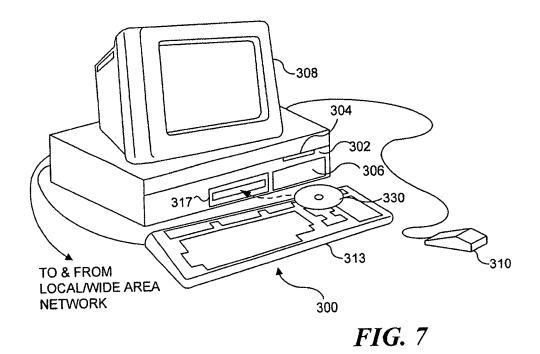


FIG. 3B









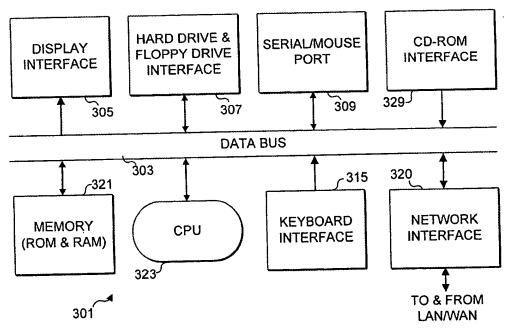


FIG. 8

